

Approved for use through 09/30/98, OMB 0651-0031

| Please type a | plue sign (+) ipsi | le this box | + | | e: U.S. DEPARTMENT OF COMMERCE | |
|---------------|--------------------|-------------|-----------------|------------------------|--------------------------------|--|
| 1449A/PTO / | APR , | | ent of Commerce | Complete if Known | | |
| (| 5 1888 | 21 | | Application Number | 08/765,026 | |
| LIST | F PRIOR | RT CITE | D BY | Filing Date | June 27, 1995 (Intl.) //3/9 | |
| | PREMARET | CANT | | First Named Inventor | Barkats et al. | |
| (1 | ise as many she | | ry) | Group Art Unit | 1805 / 636 | |
| | | | | Examiner Name | D. Guzo | |
| Shoot | 3 | of | 4 | Attorney Docket Number | ST94051-US | |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Humber(s), publisher, country, where published, source. | Т |
|----------------------|-------------|---|---|
| n | PE | Cohen-Haguenauer et al., Therapie Genique: Realites Et Perspectives, Pathologie Biologie 40(1): 5-13 (1992) | |
| æ | PF | Babiss et al., Regulation of N-myc Gene Expression: Use of an Adenovirus Vector To Demonstrate Posttrancriptional Control, Molecular & Cellular Biology 10(12) 6700-6708 (1990) | |
| n | PG | Bajocchi et al., Direct in vivo gene transfer to ependymal cells in the central nervous system using recombinant adenovirus vectors, Nature Genetics 3: 229-234 (1993) | |
| R | PH | StratfordPerricaudet et al., Gene transfer into animals: the promise of adenovirus, In: Human Gene Transfer, Eds. Cohen-Haguenauer et al., 219: 51-61 (1991) | |
| B | PI | Yang, Gene Transfer into Mammalian Somatic Cells In Vivo, Critical Reviews in Biotechnology 12(4) 335-356 (1992) | |
| W | PJ | StratfordPerricaudet et al., Feasibility of adenovirus-mediated gene transfer in vivo, Bone Marrow Transp. 9(Sup. 1): 151-152 (1992) | |
| qu | PK | Le Gal La Salle et al., An Adenovirus Vector for Gene Transfer into Neurons and Gila in the Brain, Science 259: 988-990 (1993) | |
| 9 | PL | Stramm et al., Beta-Glucuronidase Mediated Pathway Essential for Retinal Pigment Epithelial Degradation of Glycosaminoglycans. Disease Expression and In Vitro Disease Correction Using Retroviral Mediated cDNA Transfer, Experimental Eye Research 50: 521-532 (1990) | |

| TEXAMINER SIGNATURE () | I DATE CONSIDERED // /_) |
|---|---|
| EXAMINER OIGHATORE | 7/6/4 8 |
| Vario - Light | |
| DV 43 (IN ICD 1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1 | ion is in conformance with MPEP 609. Draw line through citation if not in |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for

¹ Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.





PTO/SB/08A (6-95)

Approved for use through 09/30/98, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERC

| Please ppe a p | lus sign (†) nsid | de this box | [+] | Patent and Trademark Offic | e: U.S. DEPARTMENT OF COMMERCE | |
|----------------|-------------------|--|-----------------|----------------------------|--------------------------------|--|
| 1449A PTOPR | 1 6 1998 式 | • | ent of Commerce | Complete if Known | | |
| ALEX. | | Patent and Trademark Office OR ART CITED BY | | Application Number | 08/765,026 | |
| LISTA | DENSERIOR | ART CITE | D BY | Filing Date | June 27, 1995 (Intl.) //3/5 | |
| | APPLI | CANT | | First Named Inventor | Barkats et al. | |
| (u | se as many she | ets as necessar | γ) | Group Art Unit | 1805/636 | |
| | | | | Examiner Name | D. Guzo | |
| Sheet | 4 | of | 4 | Attorney Docket Number | ST94051-US | |

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, country, where published, source. | Т |
|----------------------|-------------|--|---|
| R | PM | Breakfield et al., Herpes Simplex Virus for Gene Delivery To Neurons, The New Biologist 3(3): 203-218 (1991) | |
| gv | PN | Jordan et al., Expression of Human Copper/Zinc-Superoxide Dismutase Inhibits the Death of Rat Sympathetic Neurons Caused by Withdrawal of Nerve Growth Factor, Molecular Pharmacology 47: 1095-1100 (1995) | |
| | | | |
| | | | |
| | | | |
| | | | ļ |
| | | | |
| | | | į |

| EXAMINER SIGNATURE () | DATE CONSIDERED ///ca |
|---|--|
| EXAMINER SIGNATURE () () | 2/6/4 |
| David Lung | // \$ (() |
| EVANDED, I is a few and considered whether or not citation is i | n conformance with MPFP 609 Draw line through citation if not in |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for

¹ Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

File Copy

PTO/SB/08A (6-95)

Approved for use through 09/30/98, OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Please type 1449A/F ART CITED BY

1

Sheet

U.S. Department of Commerce Patent and Trademark Office

ICANT

of

(use as many sheets as necessary)

side this box

| Complete if Known | | | | | |
|------------------------|-----------------------------|--|--|--|--|
| Application Number | 08/765,026 | | | | |
| Filing Date | June 27, 1995 (Intl.) //3/5 | | | | |
| First Named Inventor | Barkats et al. | | | | |
| Group Art Unit | 1805 /636 | | | | |
| Examiner Name | D. Guzo | | | | |
| Attorney Docket Number | ST94051 –US | | | | |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite | U.S. Patent | Document Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------------------|----------|-------------|--------------------------------|---|--|--|
| n | AA | 7-769-623 | | Crystal | 04-15-1992 | |
| | | | | | | |
| <u> </u> | - | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | <u> </u> | | | | | <u>.</u> |
| | | - | | | | |

FOREIGN PATENT DOCUMENTS

| | | Foreign Patent Document | | | | Date of Publication | Pages, Columns, Lines, Where Relevant | |
|----------------------|-------------|-------------------------|----------|-------------------------|---|---------------------------------|--|---|
| Examiner Initials | Cite No. | Office | Number | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | of Cited Document MM-DD-YYYY | Passages or Relevant Figures Appear | Т |
| n | FD | wo | 85/01503 | | Hallewell et al. | 04-11-1985 | <u> </u> | |
| or | FE | EP | 213 628 | | Groner | 03-11-1987 | | Ш |
| Je. | FF | EP | 275 202 | | Hallewell et al. | 07-20-1988 | | |
| k | FG | EP | 282 899 | | Hecki et al. | 09-21-1988 | | |
| fr | FH | lwo | 90/02551 | | Berliner et al. | 03-22-1990 | | |
| a | FI | wo | 90/10694 | | Inoue et al. | 09-20-1990 | | |
| a | FJ | wo | 91/02788 | | Preston et al. | 03-07-1991 | | |
| a | FK | wo | 92/07945 | | Geller et al. | 05-14-1992 | | |
| 8 | FL | wo | 92/17211 | | Wagner et al. | 10-15-1992 | | T |

EXAMINER SIGNATURE

EXAMINER: Initial if reference considered, whether of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. See attached kinds of U.S. Patent Documents. Enter Office that issued the document, by the two letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1 if possible. Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents,

Please type a plus sign (+) (1) (1) (+) (+)

Approved for use through 09/30/98, OMB 0651-0031 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

| i icase type p | ido digit () quali | Y | | _ | | |
|------------------------|--|----------|--------------------|------------------------|------------------------------|--|
| 1449A/PTO APR 1 6 1000 | | | ent of Commerce | Complete if Known | | |
| \ 7 . | Patent and Trademark Office | | Application Number | 08/765,026 | | |
| rsi | OF PRION | ART CITE |) BY | Filing Date | June 27, 1995 (Intl.) 1/13/5 | |
| 2.0. | APPLI | CANT | | First Named Inventor | Barkats et al. | |
| (u | Patent and Trademark Office Application Number Application Number 08/765,026 | | | | | |
| | | | | Examiner Name | D. Guzo | |
| Sheet | . 2 | of | 4 | Attorney Docket Number | ST94051-US | |
| | | | | | | |

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. | U.S. Patent Document Kind Code Number (if known) | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|----------------------|-------------|---|--|---|--|--|
| | | | | | | |
| <u> </u> | | | | | | |
| | | | | | | |
| <u> </u> | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner | i | | eign Patent D | Kind Code | Name of Patentee or Applicant | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | _ |
|----------|-----|--------------|---------------|------------|-------------------------------|--|--|----------|
| Initials | No. | Office | Number | (if known) | of Cited Document | WIWI-DD-1111 | rigules Appeal | ╙ |
| a | FM | EP | 676 472 | | Heckl et al. | 10-11-1995 | | |
| | | | | | | | | <u> </u> |
| | | + | | | | | | |
| <u> </u> | | | | | | | | |
| | | + - | | | | | | |
| | | <u> </u> | | | | | | 1 |
| | ļ | — | | | | | | ╁ |
| | | | | | | | | ┼ |
| | | | | | | | | ļ |
| | | 1 | | | | | | <u> </u> |

| EXAMINER SIGNATURE () | TDATE CONSIDERED /// / |
|-------------------------|------------------------|
| EXAMINER GIGITATIONE OF | 7/6/9% |
| and they | 7778 |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number. See attached kinds of U.S. Patent Documents. Enter Office that issued the document, by the two letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.1 if possible. Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents,